

*Season's Greetings.*

# MEETING NOTES FOR NOVEMBER 16, 1986

The November meeting got under way at 2:30 at the Huntington Library with about 15 members present.

## OLD BUSINESS

The group buy of QL kits for our group and one or two other user groups is almost finalized. Doug Dewey is coordinating the group buy and will be sending a letter to those people who have expressed an interest in the QL kit. The letter will contain the final details and should arrive near the time of this newsletter.

The next library tape is expected to be ready at the December meeting to members who attend and will be available for order. The charge for the tape will be \$3.00 plus an exchange 60 minute tape with a non-copyrighted program on it. The submission of an article, review, or tips for the newsletter in lieu of a program is also welcome. The charge is \$6.00 for those without an exchange tape and a program or newsletter submission.

To be fair to the members who have not received library tapes under the old "loop" policy, we intend to make up a special no-charge loop to bring them up to date. Please write in and list the tapes (version 3.5, 4.6, 5.0, etc.) which you have not received.

## NEW BUSINESS

Steve K. indicated that the Association of Computer Educators Inc. are looking for new members. They are sponsoring a conference: "Computers in Education ... Coming of Age" on Saturday December 13, 1986 at the Lincoln Center campus of Fordham Univ.

Some members have mentioned that recent issues of the newsletter have not contained any items for TS/1000 users. The reason is because there have been no submissions from the members for this machine. If you have any ideas, tips, or short programs for the ZX/81 or TS1000/1500, please send them in so we can publish them. Hugo G. brought 2 of his programs for the library.

Tom S. displayed an inexpensive 80 column thermal printer he recently purchased called Big Blue. The printer is serial port and has been advertised for as low as \$29.95. The printer works in self test but has been a problem to interface to the computer.

Stoney McM. reported that he has seen an uncased Hi Res RGB monitor selling for about \$55 on Long Island. Included in the price is a power supply which requires assembly. Call Stoney at (718)469-5948 for more information.

Chuck R. displayed BASIC and MC search routines for BASIC programs which listed the line numbers where the search string was found. These will be developed in a future issue.

## QL News

We are hoping that by the time you receive this newsletter that you would have heard, in writing, from Doug Dewey about the QL kit that you are planning to order. For further details of the deal please see Page 2. By the way the reason for the delays is insistence of all sides <sup>3 weeks</sup> concerned that every detail be in writing. For example, it took A+ to present our User Group "Dealer", i.e. Doug Dewey, with written details of what had already been worked out on the phone.

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### QL NEWS

We are hoping that by the time you read this, you have already received a notice and instructions from our "Dealer" Doug Dewey concerning the purchase of the QL kit. When you receive the notice, mail your check payable to Doug. The summary of the deal is as follows:

QL Kit to our U.S. members, including shipping..... \$109.00

QL Kit to our Canadian members, includes shipping.....U\$119.95

The kit will be accompanied by four blank cartridges, RS232 cable, and a choice of RGB or phono type TV cable. You will get the thick USER

MANUAL but without the plastic binder. Canadian members will receive a preprogrammed cartridge as a consolation. Note that the "kit" can be put together without any soldering. Further, since the kit is shipped from A<sup>+</sup> directly to you, if there is any problem, you can contact A<sup>+</sup>.

You can order the following (One time and with this order only) without extra shipping charges:

The Psion 4-pack+the Plastic Binder+Documentation.....	\$30.00
4-pack of blank cartridges.....	\$8.50
10-pack of blank cartridges.....	\$19.95
100-pack of blank cartridges.....	\$185.00
20-slot cartridge storage box.....	\$7.50
SINCLAIR Flat Screen TV.....	\$50.00
Technical Guide.....	\$22.00

### SOFTWARE

Decision Maker.....	\$15.00
Project Planner.....	\$15.00
Entrepreneur.....	\$15.00
Matchpoint (tennis).....	\$15.00(?)
Chess.....	\$20.00

# LIST Tape 6.0

LIST TAPE #6.0 consists of programs contributed by members and associates for the sole purpose and edification of people dedicated to the furtherance of Sinclair-Timex Spectrum growth.

Since the programs are all copies and recopies on non-professional cassettes, some programs that were low level to start with may or may not always run on your computer with ordinary loading methods. We apologize for any of these programs that you may miss, however we have given you close to 40 runnable programs.

Our next issuance (LIST TAPE #7.0) will (hopefully) incorporate those programs that I found to be 'error loaded', along with new programs that will be donated. Our new tape policy of sending in a tape with a program on it will save you \$3.00. Please use a decent Quality 60 minute tape.

On your donated programs please throw in REM statements with some instructions when necessary and your name so we can acknowledge you.

## Notes on tape copying method used.

The original master tape was loaded into the 'play' section of a low price dual deck radio cassette player. A cable was run from its speaker output into the 'MIC' input of a Timex 2020 cassette player. The 2020 'EAR' output went into the 'EAR' input of the TS2068. Blank tapes were loaded into both the dual-deck and the TS2020. The master was played and the two blanks were put on record. With careful adjustment of the dual-deckers output volume, two tapes were copied simultaneously and at the same time monitored for loading with the TS2068 (Program listing only i.e.: LOAD'mnm').

After copying both sides (which took 1 full hour), the new copies were sot checked for levels and loading compliance. However this check does not preclude that some programs were imperfect copies.

After loading a program, some will autostart, while others need RUN(ENTER). Try BREAKing in and LISTing the program to read REM statements for a description and/or operating instructions. (In some cases you will also be able to see the name of the contributor).

Some programs will run only on TS and some only on Spectrum. If you have a ROM switch try running in both systems, and if you have excessive loading trouble try cascading the audio output to get a greater range of volume control (similar to my copying method).

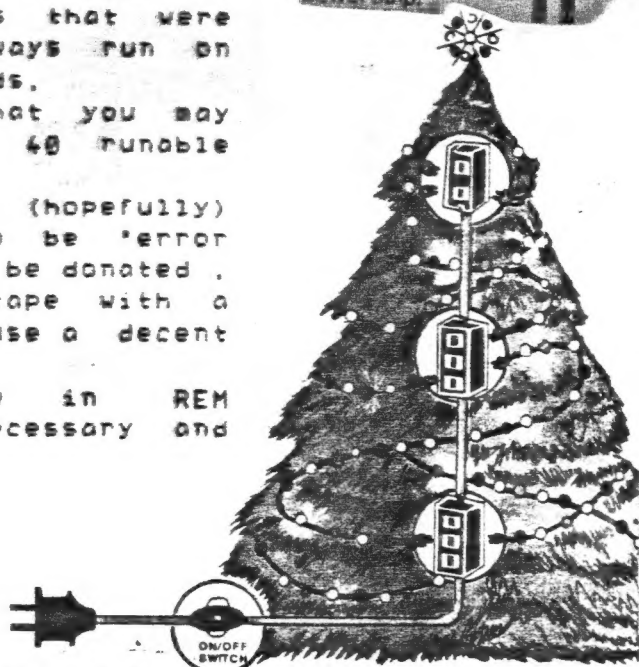
My brief comments on the programs are those of an intermediate hacker, therefore your comments on applications and/or modifications are welcome for our LIST Publication.

HARVEY RAIT  
'TAPE LIBRARIAN'  
5 PERI LANE  
VALLEY STREAM, N.Y. 11581

5769

\$14.99 6-outlet  
power strip.

1199



•USE ONLY WITH MINIATURE  
CHRISTMAS LIGHTS  
•DO NOT CONNECT MORE  
THAN 18 LIGHT SETS



## POOR MAN'S POWER STRIP

If even Sears "sale" price for multiple outlet power strip (on right) seems high, you might want to consider the little gem shown, above-left. While originally intended for Xmas tree lites, it should work fine for most small systems (I define a small system as one TS1000 or 2068, a 2040 printer, a monitor and tape recorder).

There are 9 - 2 prong sockets, but as they are fairly close together, and the rating is 2A, you should only figure on using one "power pack" per gang. The on off switch is a thicker crude rotary type, but still a lot better than the one supplied with a TS1000 (i.e., none).

The best part? Well, this assembly is available for just \$2.19 at Job Lot (the pushcart), 37th street and 5th Avenue, in New York.

Do note lack of a ground plug. Do you think it makes a difference in this application?

# LIST Tape 6.0 (Cont'd.)

1. MC-Assembler Spectrum only. Didn't know what to do with it or the next section entitled "Character array: LIGHT".
2. sheepdog: Game.
3. chambers: Labyrinth game.
4. race Game
5. STRIP POKE: Spectrum only. Draw poker. PG.
6. DIARY: Calendar and appointment diary.
7. ESCHER: No comments
8. ART: Graphic design.
9. WORDS: Generate funny sentences.
10. copycat: Program loader. No instructions.
11. tricky: Word repeat.
12. list: Graphic display.
13. TapeLister: Catalogues a tape.
14. TapeTest: Checks tape loading level.
15. soldier: Graphic display of a soldier scrolled.
16. fine/finer: Game.
17. b. flies: TS only. Sound and graphics demo.
18. psg demo: Introduction to sound chip with graphics.
19. EG: Sound envelope generators
20. MUSQUIZ: Music chord teacher.
21. TRAINING: Commodity symbol training exercise.
22. BJ: Spectrum only Black jack card game.
23. adrepair: Microdrive repair diagnosis.
24. explain-z: Explains the use of the ensuing 2 programs entitled "hexa-z" and "deca-z" which may not load.

25. noaa: Polar orbiting satellite tracking.
26. traffic: Graphic movement demo.
27. 64col: bascolumn printing.
28. BROTHROCK: Can't define this one.
29. WIDE: 2 column printing on ZX printer.
30. BIKE/STUNT: Game.
31. sw, dh: Single width, double height printing.
32. Dw, sh: Double width, single height printing.
33. DW, DH: Double width, double height printing.
34. UP: Word processor with an audio twist.
35. CPOY, EPSON: Epson printer utility.
36. PRINTER: 64 column tab routine.
37. Those were: Explains previous programs to create waferdrive machine code.
38. INFERNO: Catch the falling bodies in a gondola game.
39. shrink: Computer psychoanalyst. If you play for 30 minutes you get charged for a full hour anyway.
40. BIO-graph: Old favorite prints personal biograph curves.
41. BEND ALLOW: Sheetmetal bending guide.
42. CASH: Records invoices and assigns customer numbers
43. SALES: Ledger entry accepts CASH program.
44. ANY BASE: Math program needs instructions.
45. clover: Great graphics.
46. spirals: More great graphics.
47. color: Even more great graphics.
48. BEATLES: TS only. Excellent 3 channel sound demo.
49. builder: design a building face.

Missed program names that you may be able to bring in:  
doorway, tracer, COPIER 3, DRIVE  
SCR, M, SLC, 3, deca-z, fractals.

Let Editorial Committee,  
Attached are 2 forms of same software reviews I take  
your choice for your spare needs. I know festing usually  
were put together by cut 'n' paste method. Last  
issue looked spectacularly good, but I kept to  
think of your having to rekey.

Note: I wrote a different review of "Sprites 2068"  
for Ramlog 2 issues ago. Because I'm deeply  
distressed over V. Tidwell's writing me as of end  
of Oct., "2068" had sold about 10% of the  
maximum number he had projected for  
likely sales. He feared the TS 2068 market was  
just getting "skinny". I dread seeing innovative  
& meticulous programmers like Vern T. & Ron  
Ruegg give up on the 2068. So much energy  
has been diverted toward 2S pushing by sales  
people, newsletters, etc. yet with 15,000 \$ TS 2068,  
no way am I buying a 3rd ordered T/S computer.  
Apparently from lots of 2S merchants, a lot of  
people concern with me.  
I hope you can find space to publish  
the software review.

Joan Lealy

Joan: We got our Sprite 2068 through  
Zebra Systems. Member Vern Tidwell and Coauthor Ron Ruegg should be congratulated for a job well done.  
If you had not send us the review, we would have published a very positive review. The documentation  
is truly excellent. It caters to the need of both beginners and experienced programmers. By the way  
the authors got the rights to the Sprite program in the Tech. Manual, straightened out all  
the bugs, and came out with a nice interactive program.



By Joan Kealy

### Software Review of "Sprites 2068"

Available from Zebra or the authors: Ron Ruegg at 37529 Perkins Rd., Prairieville, LA 70769; Vern Tidwell, 1303 Whitehead St., Key West, FL 33040. Price of \$20 includes a cassette with a lively demo, machine code utility, Spritedraw program, a bonus program called "McSprites Code" and a 34 page manual.

Yeah, moving graphics! That's the difference between a cartoon on the page and Disney. Zebra is proud enough of "Sprites 2068" to mention it in the little coverage we get from the slicks. See Family Computing for December, p. 44. And thrilled I am to see T/S products mentioned in "MACHINE SPECIFICS" column ever under subtitle, "Orphans".

For "Sprites 2068" there's a total-candor manual that gives machine code for quicker sprite response. There's always a higher level of performance for a higher level of computerist proficiency in this program. And the authors hope this program may be the final push for you to study assembly language (listing also provided). There's info in the manual to take you as far as you want to go. If not, they'll supply more "somehow" for a SASE. Candidly, they tell you assembly into a final, multi-UDG sprite requires planning; graph paper is handy at this stage. Believe! Blessedly, the power of spatial visualization is highly correlated with engineering ability but sprites sprinting about require planning.

Providentially, Time Designs Magazine will send free, 1 sheet of graph paper, suitable for photocopy, specially designed by Dennis Jurries for high resolution graphics. I got mine promptly. Just send a SASE to TDM, Graph Paper Offer, 29722, Hult Rd., Colton, OR 97017. If you are not a regular subscriber, send along your subscription order (\$15) with your request for this freebie. Revved up to go again on my hysterical, hyperventilating Mona Lisa.

If planning graphically is your thing, "Sprites 2068" can animate your visions.

# THE INCREDIBLE SHRINKING SCREEN

SCREEN

By W. Pederson

You have all heard about the Liars Club where the joker who tells the most unbelievable and outrageous tale, wins the title.

It gave me an idea. Why not hold a contest (no prizes) for the most outrageous unbelievable computer program?

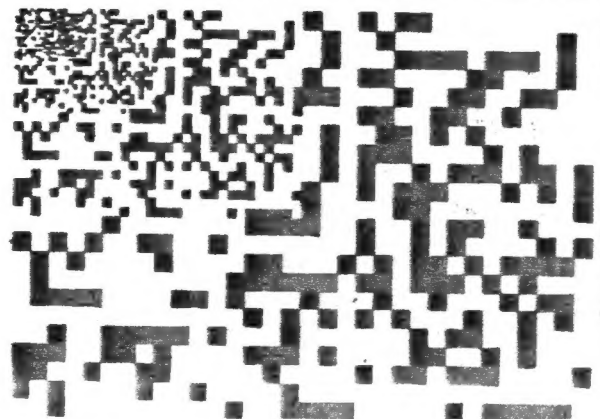
If someone is willing to forego entering it himself, and take the position of impartial judge, this could become the zany event of the year.

To start off what I hope will become an annual event, I dare to submit this first entry.

There should be some basic rules. I leave them to someone who can avoid the charge of digital collusion.

## SUCH A PROGRAM! SHEEEE!

```
1000 INPUT "Reduction? ";s
1001 FOR k=175 TO 0 STEP -s
1002 FOR n=0 TO 255 STEP s
1003 LET w=NOT POINT (n,k)
1004 PLOT INVERSE w;n\s,(k-1)/s+
88+(43 AND s=4)
1005 NEXT n: NEXT k: STOP
1006 LET n=176-176/s
1007 FOR n=n-1 TO n-16/s STEP -1
: PLOT INVERSE 1;0,n: DRAW INVER
SE 1;256/s-1,0: NEXT n
1008 FOR n=0 TO 24/s-1: PRINT AT
n,32/s,: NEXT n
1009 FOR n=0 TO 21: PRINT AT n,1
6,: NEXT n
1010 FOR n=24/s TO 21: PRINT AT
n,0,: NEXT n: STOP
2000 CLS : FOR n=1 TO 300: PRINT
AT INT (22*RND),INT (32*RND);"■
";: NEXT n: GO TO 1000
```



# Letters

Cedar Rapids, Iowa 52404  
10 06 86

L.I.S.T. Newsletter  
PO Box 438  
Centerport, New York 11721

Dear Paul,

I don't know who is the correct officer or their name of list to address this to so I am addressing this to you since I have seen your name in list quite often.

First I am sending in a check to continue my LIST membership. While I mean about the low quality of the reproduction of the newsletter I am very pleased with the material presented. And thru LIST I have met another LIST member, Mike Leidel of Muscatine Iowa. He came up to my last meeting. I have been trying to get a user's group started but with this and that I don't have much of a turn out at the meetings. It just may die if more interest isn't shown. I sort of named it CRAGIST ( Cedar Rapids And Greater Iowa Sinclair Timex) Not enough members to have officers or dues.

I have a question that sort of fits in with your article on ARCHIVING METHODS. The question is: Is there a way of storing your cassettes and/or discs that will reduce the possibilities of the tapes of being exposed to magnetic fields accidentally? At my work place they use a material called electromagnet shielding. It is a sheet metal that is heat-treated after all machining is done to remove undesired magnetism. All the articles that I have read on safe storage of magnetic materials (recording tapes) list the things to avoid but never mention if there is a safer way to store them.

In fact when LIST came I was trying to devise a plan to make back up copies of all of my cassettes and the instructions so that I will not be without one or the other. I did get a lot of insight into the various ways of saving a copy.

I do hope that you now have an editor for LIST, I guess nowadays the population is so mobile that you never know where anyone will be next year. Thank you for all you have done for LIST and thus for me.

Sincerely yours,  
*Donald S. Lambert*  
Donald S. Lambert

Don L:

I think Cedric B. is the man to answer your question in detail and will try to pass your letter on to him.

I store my backup tapes in conventional plastic tape storage boxes (each holds 10-15 tapes with/cases) and make sure they are several feet from any possible source of magnetism (TV, motors, the computer, tools, fluorescent lights, demagnetizers and, of course, magnets). A closet shelf usually is just fine.

Magnetic flux is, I seem to recall, subject to the inverse square law (double the distance and cut the field strength by 4) so distance is one of the best means of protection.

A steel box might help, but remember that it too could become magnetic, if exposed to the right stimulus. PD.

November 2, 1986

L.I.S.T.  
P.O. Box 438  
Centerport, N.Y.  
Zip 11721-0438

Dear Folks at LIST:-

I hate to add to your workload but I'd like to remind you that I have never received a tape this year.

I have a 1/52068 and am still learning its mysterious ways. So could you please place my name and machine on the 11th 1986 list.

The article, page 3, October 1986 issue, by JOHN FAZMITH was exceptional. I'd like to read, nay, study more of his offerings.

If space permits please squeeze in a program now and then - it's been pretty barren lately - HJ

Cordially

J. PETER VILMAIRE

HONOLULU HI 96821

Dear List Group:

What is Joan Kealy's address in El Paso, Texas? I had it and it disappeared or self destructed! so I need it to thank her for recommending the RMC descender EPROM as it performed for my Gorilla Banana also.

Enclosed is my check for 1987 membership as along with a Robinson Crusoe calendar on my lonely computing island LIST-ing is a welcomed source of information and is proof LIBERTY is alive and is being exercised by some dedicated pioneers in the computer revolution. The time spent in courting LIBERTY's blessings will never be futile so I humbly thank you for the consideration shown the out of New York members.

I enjoyed the unique, verbatim reproductions of letters to L.I.S.T. Now that the elections are over, can get back to the computer. The so called slump didn't show at a local computer test as it turned out three times larger than expected.

Yours truly

*Harvey*

Harvey Pulliam

P.O. Box 1001  
AUSTIN, TX 78767

PS: Used MSCRIPT & AERCO Interface to a Gorilla Banana to produce this letter.  
HINT: PL=120 & LS=2 if Dip switches not adjusted.

*J. Peter: We are John working hard on publish you on loader (i.e. price was so low that he had to sell some that we could not afford. Ed. good letter. Ed.*

RND ENTERPRISES  
1419 1/2 7TH STREET  
OREGON CITY, OR 97045

CEORIC BASTIANS  
C/O L.I.S.T.  
P.O. BOX 438  
CHENIERE, IL 61121-2438

RE: 2068 KEYTOP REPLACEMENT LEGENDS  
SIR:

After your article appeared in which you claimed that there were no sources for replacement legends for the 2068 as there were for the 1068 in this country. I wrote you the day I received the June '86 issue of L.I.S.T. I told you in the letter that we sold replacement keytops for BOTH the 1068 and the 2068! NOT WITH SPECTRUM LEGENDS, BUT WITH 2068 LEGENDS!! I have advertised them and sold them for over 2 years! I have sent catalogs wherein they are listed to EVERY user group in the US and Canada as per published lists.

I sell a sheet of 2068 keytops that is printed on bumper sticker stock and is laminated with clear vinyl for long life. We guarantee that they will not slip or slide! They are black ink on a white background for easy viewing. You just cut them out and stick them on. PRICE: \$2.50 FOR 1 - \$6.00 FOR 3 AND \$17.50 FOR 10 SHEETS. PLEASE ADD \$.25 PER SHEET FOR POSTAGE.

I hate to see people buying something from England that is being produced right here at home. At a lower price as well!

Please inform your group and your readers that these are available.

I might add that E.A. BROWN is also selling a set of 2068 keytops but I am not sure of the quality or the price.

Keep up the writing, we all enjoy it.

Thanks,

*Rod Gochen*

Rod Gochen

cc/rbg  
enclosures

Rod: We did not know that RING was carrying key legends for the 752068. Now we know! Thanks.

Dear Sir:

Would you please put this in your next L.I.S.T. issue. For SAUF: SEIKOSHA

SP-1000A NIA Printer w/RAJALUX Port 2

HOMES OLD \$130 PD WPS JERRY McKuen

2580 LANIER DE, Lansing, MI-48911

517-887-0387

*I am truly  
yours  
Joan*

⇒ JOAN: Thanks for the encouragement. As a committee, who knows we may design the newsletter into a Camel.

10/23/86  
Oct. Listing here today & my compliments on your "groupwork." LIST members deserve respect for not going limp at the loss of their editor - two in succession - right? Thanks for not seizing the excuse instead of the challenge. Good word - very readable print. You're a pack of sharks! Thanks so much, Joan Fealy

10/23/86  
P.O. BOX 2002  
TEWKE, AZ 85201  
GREENWICH LISTFOLK,

I AM ENCLOSING A CHART OF INFORMATION ON BULLETIN BOARDS AROUND THE U.S. WHICH SUPPORT OUR COMPUTERS. THIS WAS COMPILED BY STEVE ISHII AND MESEAF AFTER HOURS & HOURS OF LONG DISTANCE TELECOMMUNICATIONS. WE DID THIS BY MEANS OF WRITING "THE T/S GUIDE TO TELECOMMUNICATIONS", A FREE PUBLICATION WHICH GOES ON TO DESCRIBE THESE BOARDS, PLUS ALL THE MODEMS, ALL THE TERMINAL SOFTWARE AND AVAILABLE RBS SOFTWARE FOR THE 2068 (SEE ENCLOSED OUTLINE).

WE'LL BE SENDING YOU A COPY OF THIS GUIDE AS SOON AS IT IS COMPLETED (EARLY NOVEMBER?). ORIGINAL PLANS CALLED FOR MAKING IT AVAILABLE ON A SELF-ADDRESSED - STAMPED - ENVELOPE BASIS. BUT AS IT STANDS, IT WILL BE 50 PAGES. WE'RE TRYING TO STAY UNDER 3 OUNCES). THE COST TO US WILL BE OVER \$100/UNIT. THUS, WE HOPE THE USER GROUPS WILL DISSEMINATE COPIES THEMSELVES.

I'D SINCERELY HOPED TO INCLUDE MY \$15.00 TO JOIN L.I.S.T. WITH THIS LETTER. BUT I AM CURRENTLY FACING A LARGE PHONEBILL AFTER TESTING ALL THESE TERM PROGRAMS, ETC.

ALSO, I HOPE MY FRIEND MARTIN HELFGOTT WILL CONTACT ME. I HAVE SOME SOFTWARE TO SEND HIM, BUT HE HASN'T ANSWERED THE LAST 4 LETTERS I SENT HIM.

SINCERELY,  
PETE FISCHER  
aka PHOENIX PETE  
P.S. PLEASE PRINT THE CHART IN YOUR NEWSLETTER

Thanks Phoenix Pete, and Steve I. for your trouble. We are sure the information (presented on P. 9) will be greatly appreciated by all the L.I.S.T. members, who are in telecomputing. Ed. Comm.



Andy K. send us the info. package on the "Cleveland Free-net" Community Computer System. To access the BBS call 216-368-3888, 24 hours, 300 or 1200 B. The system is UNIX based, will give access to 15 users at a time.

Access by PC Purult  
Access by 'Stacked' Computers  
300 BPS  
1200 BPS  
2400 BPS  
No. of Message Bases  
E-Mail  
2068 Downloads  
1000 Downloads  
Total System Capacity  
Total T/S Downloads  
Total CP/M Downloads

The Free-Net's parameters are 8-1-N. The Timex SIG is in "the Public Square" section at subsection 5-4-7.

AVERAGE REMOTE	(213)325-0213	8,1,N	24Hrs		Y	N	Y	Y	N	1	Y	Y	Y	21 MB	1 MB	MB	Los Angeles, California
BILL'S OBSESSION	(404)377-2550	8,1,N	90%		Y	Y	Y	Y		2	Y	Y	N	22 MB	300 KB	2 MB	Atlanta, Georgia
COMPUSEIVE	(Local No.)	7,1,0	24Hrs			N	Y	Y	Y	2	Y	Y	Y			Y	Columbus, Ohio
FMKUG	(817)540-4183	8,1,N	24Hrs		Y	Y	Y	Y	Y	0	Y	Y	N	44 MB	200 KB	25-30 MB	Ft. Worth, Texas
ISTUG	(317)898-3903	7,1,0	24Hrs		N	N	Y	N	N	1		N	N	64K	0	0	Indianapolis Indiana
LOONEY BIN!	(619)390-9470	7,1,0	24Hrs		N	N	Y	N	N	1	N			562 KB	0	0	San Diego, California
MCI MAIL	(Telenet)	8,1,N	24Hrs			N	Y	Y	Y	0	Y	N	N		0	0	Wash, D.C.
NIGHT OWL	(312)459-5721	8,1,N	24Hrs		Y	N	Y	Y	N	1	Y	Y	Y	7 MB	150 KB	0	Chicago, Illinois
OMNI-NET	(718)837-2881	8,1,N	24Hrs		N		Y			1	Y	N	N		0	0	New York New York
OMEGA FREE ACADEMY	(607)754-3420	8,1,N	24Hrs		N	Y	Y	Y		0	Y	Y				0	Omego, New York
PLINK			24Hrs			Y	Y	Y	Y	1	Y	N	N		0	0	
SERIAL PORT	(313)286-0145	8,1,0	24Hrs		N	N	Y	Y	Y	1	Y	Y		15 MB	70 KB		Ann Arbor, Michigan
SOURCE	(Telenet)	7,1,0	24Hrs			N	Y	Y	Y	0	Y	N	N		0	0	McLean, Virginia
STARTEXT	(817)877-1041	8,1,N	24Hrs			N	Y	Y	N	0	Y	Y	N				Ft. Worth, Texas
TIMECHANGE	(213)329-3922	8,1,0	24Hrs		Y	Y	Y	Y	N	1	N	Y	Y	25 MB	900 KB	20 MB	Los Angeles, California
TSU	(216)327-1099	7,1,1	24Hrs		N	N	Y	Y	N	5	Y	Y	Y	800 KB	100 KB	0	Cleveland, Ohio
VSYS	(201)527-0535	7,1,N	*		Y	N	Y	N	N	4	N	N	N		0	0	Elizabeth, New Jersey
ZEBRA SYSTEMS	(718)625-6220	8,1,N	24Hrs		N	N	Y		N	8	Y						Woodhaven New York

L.I.S.T.  
P.O. BOX 438  
Centerport, NY 11721-0438

11/13/86

1441 E. 11th St.

The stuff the PENTAGON runs through paper shredders is called  
**MURPHY SLAW.**

I am somewhat reassured that I am not Murphy's only victim.

I refer to the last issue of LIST in which the actual listing was somehow lost, but examples of output were present. The poor reader could only get confused.

It has a good side, though. It made me take another look at the program. I previously assumed that anyone could make the minor changes to accommodate their own printers, but the look in the big brown eyes of one of those users made me reconsider.

The changes are indeed minor, and can now be understood by a few more readers than before...and the Editorial Staff???

Please excuse the dig. I appreciate your efforts to keep LIST an active and effective publication.

Respectfully yours,  
William J. Pedersen  
1120 Merrifield Rd.  
Grand Rapids, MI 49507

P.S. I found my missing issue under the couch.

I have included two graphic copies of the program listing. The double size is suitable for XEROX reduction with very good appearance. The other has been printed with an improved aspect ratio to make it more readable.

I have enclosed a couple of other graphics you might like. The one for L.I.S.T. is a rebus.

I have some very powerful products which need reviewing, but no one else has bank switching yet, so I must prepare the product descriptions myself. This is not exactly kosher, but I see no alternative, unless Nazis will pick up the ball.

N.A.P. How about it? Do you want to get in on extended bank switching and the new WIDJUP buses? (IBM PC semi-compatible)

I plan to send you a group of products for you to enjoy, and demonstrate at a meeting. I already sent SHERLOCK. If you have not seen it, ask Paul.

I have come out with a line of WINDOWING printer drivers, the first of which is WINKJET 1. I would like to do the same for the GAUILLAN printer, but I don't have one to check it out.

THEY ARE ALL BANK SWITCHING COMPATIBLE.

I have sent WIDJUPPEEL and TypaLot GB to Joan Kealy, as I promised her a while back. I am enclosing a copy of that letter.

Another product is TOURIST C. Frankly this makes HOT Z look a little sick. I have had this disassembler for over two years, but only recently adapted it for extended bank switching. It is bug free and subverts NO machine code space. I am including an example of its output.

I would very much like people to know about it. Unfortunately the disassembler was "hidden" in my SUPER UTILITY, and that is a bit like being caught in a blizzard.

One feature of SUPER UTILITY is PURGE. Please look for an article on it soon, hopefully for the next issue.

Bill Pedersen  
THE WADJUP Co.

P.P.S. This letter is an example of what can be done with TypaLot.

I think it's time I dragged a bit about the WADJUP Co.

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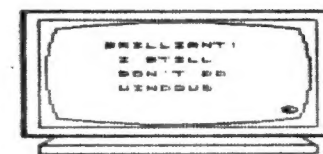
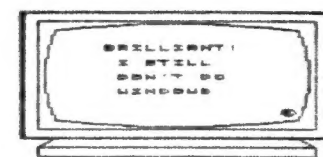
How do I DO that?

Bill: Would you believe it that we were chastised in our last meeting by members about your program. Mind you, when authors provide us with a tape of their program it gives us a chance to test it out first, and further to make it part of our library so all the members get access to it. Well, here is WLLIST again, on the next page. Hopefully this time we have gotten every thing right. The editorial committee.

```

7499 REM WLLIST Program Listing
7500 REM
7501 REM LET B$=CHR$ 10
7502 REM FOR...
7503 REM OLIVETTI PR2300
      GORILLA BANANA
      SEIKOSHA 100
      PANASONIC JR-P02U
      Others depending on
      switch settings.
7504 REM LET B$=CHR$ 10+CHR$ 13
7505 REM FOR...
7506 REM Printers which are set
      for overprinting to enable
      underlining. Includes EPSON
      and STAR depending on switch
      settings.
7507 REM LET b$=CHR$ 13
7508 REM FOR...
7509 REM OLIVETTI PR2300
      Printers with switches
      set to interpret CR as line
      feed plus carriage return.
7510 REM
7600 LET B$=CHR$ 10: LET C$=B$+B
    $+B$+B$+B$+B$+B$: LET Wk=7600
    : LET Margin=10: LET Wide=64: LE
    T Wln=3: DIM A$(Margin+LEN B$):
    LET A$=B$
7601 INPUT PAPER 5;" LLIST "; PA
    PER 7;"From LINE: ";Wfirst;" to
    ";Wlast
7602 LET Wa=PEEK 23635+256*PEEK
    23636
7603 LET Wn=256*PEEK Wa+PEEK (Wa
    +1): LET Wl=PEEK (Wa+2)+256*PEEK
    (Wa+3): IF Wn<Wfirst THEN LET W
    a=Wa+Wl+4: GO TO Wk+3
7604 IF Wn>Wlast THEN GO TO Wk+1
    7
7605 CLS : PRINT TAB 4-LEN STR$
    Wn;Wn;" ";: FOR n=Wa+4 TO Wa+Wl+
    2: LET W=PEEK (n): IF W=14 THEN
    LET n=n+5: GO TO Wk+9
7606 IF W>15 AND W<22 THEN LET n
    =n+1: GO TO Wk+9
7607 IF W>126 AND W<165 THEN LET
    W=63
7608 PRINT CHR$ W;
7609 NEXT n: LET Wz=800-PEEK 236
    68-32*PEEK 23689: PRINT PAPER 5;
    " ";Wz+1;
7610 LET Wq=1: GO SUB Wk+15: FOR
    n=0 TO Wz: LET j=INT (n/32): LE
    T k=n-32*j: LET L$=SCREEN$ (j,k)
    : IF L$="" AND Wq>0 THEN GO SUB
    Wk+15: LPRINT " ";: LET Wc=4
7611 LPRINT L$;: LET Wc=Wc+1: IF
    L$="" THEN LET Wq=-Wq
7612 IF Wc>Wide THEN GO SUB Wk+1
    5
7613 NEXT n
7614 LET Wa=Wa+Wl+4: GO TO Wk+3
7615 LPRINT A$;: LET Wln=Wln+1:
    LET Wc=1: IF Wln>58 THEN LET Wln
    =1: LPRINT C$;: GO TO Wk+15
7616 RETURN
7617 INPUT "Another section? Yes
    or No: "L$: IF LEN L$ THEN IF
    L$(1)="Y" OR L$(1)="y" THEN GO T
    O Wk+1
7618 LPRINT B$: STOP : GO TO Wk

```

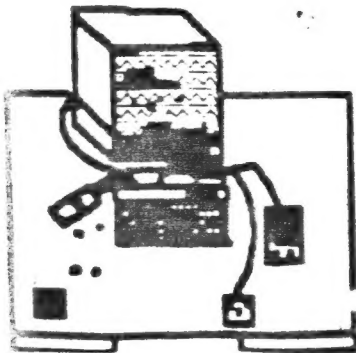


TO:  
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 Sinclair Times  
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 2 PM



Next Meeting: *Dec 14*

Sunday, December 14 at 2:00 P.M. in the Huntington Public Library.

From LI: Exit 49 north on Rte 110, 7.1 miles to Main St (Rte 25A) in Huntington. Turn left, go 3 blocks to Prospect St.

From MSP: Exit 40 north on Rte 110, 6.0 miles to Main St (Rte 25A) in Huntington. Turn left, go 3 blocks to Prospect St.